

Remarks/Arguments

Claim Summary

By this Amendment, claims 1, 5-11 and 13-15 have been revised, and claims 4 and 12 have been canceled.

Accordingly, claims 1-3, 5-11 and 13-15 are now pending in the application.

Claim Objections

By this Amendment, the claims have been revised to correct each of the informalities identified by the Examiner.

Regarding original claim 5, it is noted that power density is properly expressed in units of watts per cm^2 . The original claim 5 contained typographical errors with respect to both the expressed quantity and the expressed units. Accordingly, by this Amendment, claim 5 has been revised to recite a power density of 3.5 watts per cm^2 . Support for this revision can be found in the specification at page 2, lines 11-13. That is, while the original specification included the same error as the original claim 5, the cited portion of the specification does state that the “power supplied to a target of 330mm diameter may be above 3kW.” In this case, the area of the target would be $\pi * 16.5\text{cm} * 16.5\text{cm} \approx 856\text{cm}^2$, and the power density would thus be $3000\text{W}/856\text{cm}^2 \approx 3.5$ watts per cm^2 .

The identical error in the specification has also been corrected.

No new matter has been added.

Allowable Claims

Applicants acknowledge with thanks the indicated allowability of claims 4-8 and 12-14.

By this Amendment, claim 1 has been revised to incorporate the subject matter of allowable claim 4, and accordingly, it is believed that claim 1 and dependent claims 2-3 are in condition for allowance.

Further, by this Amendment, claim 11 has been revised to incorporate the subject matter of allowable claim 12, and accordingly, it is believed that claim 11 and dependent claim 15 are in condition for allowance.

Still further, by this Amendment, allowable claims 5, 6, 7, 8, 13 and 14 have been amended into independent form by incorporating the subject matter of the claim or claims from which they originally dependent. It is thus believed that these claims are in condition for allowance.

35 U.S.C. ¶102 and ¶103

The rejections under 35 U.S.C. ¶102 and ¶103 have been rendered moot by the afore-described amendments to the claims.

Conclusion

No other issues remaining, early allowance of the present application is respectfully requested.

Respectfully submitted,

VOLENTINE FRANCOS & WHITT, PLLC


Adam C. Volentine
Reg. No. 33,289

April 1, 2005

Volentine Francos & Whitt, PLLC
One Freedom Square
11951 Freedom Drive, Suite 1260
Reston VA 20190
Tel. 571.283.0720